

Un *sistema híbrido* de generación fotovoltaica con almacenamiento en una sola unidad.

everfeed Hy5



Modulo de expansión.

El Sistema Hy5 permite expandir la capacidad hasta 9,6 kwh adicionales al módulo principal



Inversor 5 Kw+ Bateria de 4,8 KWH

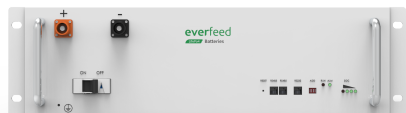
El módulo principal cuenta con un inversor de 5 kw y una batería de litio de 4,8 kwh expandibles.

Una idea simple:

- Estilo elegante
- Inversor + batería en una unidad
- Compatibilidad de componentes
- Garantía unificada

WIFI incluido.
Baterías de Ion de Litio (LiFePO₄)
Bornes de alta tensión.
Conectores de seguridad.
Pantalla táctil.
Sistema de cero inyección.

Batería de litio 48V 100Ah



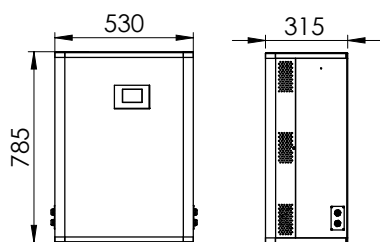
Terminal Hv Hot Plug



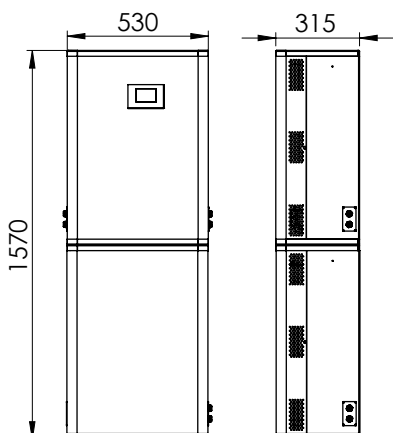
Technical specifications EFB-3U-48100-SC	
Electrical Characteristics	
Nominal Voltage	48V
Nominal Capacity	100Ah
Energy	4800Wh
Internal Resistance	≤65mΩ
Cycle Life	>4000cycles @0.5C 80% DoD
Calendar Life	>10 years
Months Self Discharge	<5% in 90-day storage at 25 °C
Efficiency of Charge	98% @0.2c
Efficiency of Discharge	96~99% @0.5C
Standard Charge	
Charge Voltage	54±0.1V
Method of Charge	0.2C to 54.0V, then 54.0V, charge current to 0.02C (CC/CV)
Standard Charge Current	10A / 0.1C
Max. Constant current	100A (if over, limited 10A)
Charge Cut-off	55.5V
Standard Discharge	
Continuous Current	100A
Max. Discharge Cut-off Voltage	100A Constant, Peak 150A for 10secs
Discharge Cut-Off Voltage	40.5V
Environmental	
Charge Temperature	0 °C to 50 °C (32F to 122F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
Storage Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
Water Dust Resistance	IP21
Communication	
Modbus (RS485)	Yes
RS232	Yes
CAN	Yes
SNMP built in	Compatible with adapter
Display	No
Mechanical	
Cell / Method	GSP09133202-25Ah 15S4P
Pack Case	Iron case for Pack, Prismatic pouch shell for Cell
Terminal type	M6
Dimensions [mm]	442*580*132 (3U)
Weight[kg]	45kg
Gravimetric Specific Energy	108Wh/Kg
Security standard	
UN38.3	
IEC 60950 / IEC 62619	
RoHS Directive (2011/65/CE)	
Standard UL1642	
Warranty	
3 Years	

Inversor 5500 VA

Módulo Inversor



Módulo Inversor + Expansión



Inversor 5500VA	
Battery voltage	48 VDC
Battery type	Lithium/Lead-acid
Inverter output	
Rater power	5500VA / 5500W
Parallel Capability	Yes, 9 units maximum
AC Voltage Regulation (battery mode)	220/230/240 VCA ± 5% @ 50/60 Hz
Surge Power	11000 W
Efficiency	>93%
Waveform	Pure sine wave
Transfer Time	<10ms
Solar charger	
Max. Recommended PV Power	5500W
MPPT Range @ Operating Voltage	120 VDC - 450 VDC
Maximun PV Array Open Circuit Voltage	450 VDC
Strings Per MPP trackerNumber of independent MPP Trackers/Strings Per MPP tracker	1/1,
Maximun Solar & AC charge current	90A
AC Charger	
Charge current	60A
AC input Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC (for personal computers) 120 - 280 VAC (for homes appliances)
Frequency Range	50 Hz / 60Hz (Auto sensing)
Physical	
Protection degree	IP20
Dimension (W/H/D)	345/476/133.2mm
Net Weight (Kgs)	12
Operating environment	
Humidity	0% to 90% Relative Humidity (Non - condensing)
Altitude	<2000m
Operating temperature	0°C - 50°C
Storage temperature	-15°C - 60°C.